

KYAE Skills U Lesson Bank

Kentucky's Top 5 Career Clusters

Architecture and Construction

Lesson Title	Author	Career Cluster	Math NRS Level(s)/MWOTL/ Supporting and Connecting Standards/ Components of Rigor/Mathematical Practice and Employability Standards	RLA NRS Level/CCR Standard/ Employability Standard
Active Listening and Lineman Interviews	Beth Rudd	<ul style="list-style-type: none"> Architecture and Construction 		<ul style="list-style-type: none"> Level 4 Reading Anchor 2 Level D RST.6-8.2 W/WHSt.6-8.4 SL.8.4 SL.8.6 E.7, E.8, E.9
Analyze Proportional Relationships (Scale Factors)	Ashley Gootee	<ul style="list-style-type: none"> Architecture and Construction Arts, Audio/Video Technology and Communications Manufacturing Marketing Transportation, Distribution, and Logistics 	<ul style="list-style-type: none"> Level 4 Level D Num: ratio and rate 6.RP.3 7.RP.1 7.G1 Level C 6.NS.1 Conceptual Understanding Procedural skill and fluency Application Mp.4 MP.6 MP.8 E.6 E.7 E.9 	
Calculating Perimeter and Area of Rectangle	Ashley Gootee	<ul style="list-style-type: none"> Architecture and Construction 	<ul style="list-style-type: none"> Level 4 	

		<ul style="list-style-type: none"> • Information Technology • Science, Technology, Engineering and Mathematics • Transpiration, Distribution and Logistics 	<ul style="list-style-type: none"> • Level D Geo: Solving 2- and 3- dimensional figures • 7.G.6 • 4.MD.3 7.EE.4a • Level C 4.MD.3 6.G.4 • Level D 8.EE.2 • Conceptual Understanding • Procedural skill and fluency Application • MP.1 MP.4 • E.7 E.9 	
Commas and Dashes in Workplace Writing	Beth Rudd	<ul style="list-style-type: none"> • Architecture and Construction 		<ul style="list-style-type: none"> • Level 4 • Language Anchor 2 Level D • Writing Anchor 2 Level D • W/WhST.6-8.2 L.6.2 through 8.2 merge E.7 E.8
Comparing Arguments Between Texts: To Build or Not to Build?	Beth Rudd	<ul style="list-style-type: none"> • Architecture and Construction 		<ul style="list-style-type: none"> • Level 4 • Reading Anchor 8 Level D • Writing Anchor 4 Level D • RI.8.8 W/WHST.6-8.4 • E.7 E.8
Construction & Trades: Career Exploration	Beth Rudd	<ul style="list-style-type: none"> • Architecture and Construction • Career Exploration 		<ul style="list-style-type: none"> • Level 4 • Writing Anchor 7 Level D • Reading Anchor 1 Level D • RST.6-8.1 W.7.7 • RST.6-8.7 W/WHST.6-8.2

				W/WHST.6-8.5 SL.8.4 E.7 E.8 E.9
Converting Fractions to Decimals and Decimals to Fractions	Beth Rudd	<ul style="list-style-type: none"> Architecture and Construction 	<ul style="list-style-type: none"> Level 4 Level D Num: Extending number sense 7.NS.2d 7.NS.3 Conceptual Understanding Procedural skill and fluency Application MP.1 MP.2 MP.4 E.3 E.7 E.8 	
Equations for Trade Jobs	Beth Rudd	<ul style="list-style-type: none"> Architecture and Construction 	<ul style="list-style-type: none"> Level 4 Level D Alg: expressions and linear equations Alg: Solving linear equations 7.EE.4a 7.EE.4 8.EE.7 Conceptual Understanding Application MP.1 MP.2 MP.4 E.7 	
Finding the Unknown Percent, Part, or Whole for Trade Jobs	Beth Rudd	<ul style="list-style-type: none"> Architecture and Construction 	<ul style="list-style-type: none"> Level 4 Level D Num: ratio and rate 6.RP.3c 7.EE.3 Conceptual Understanding Procedural skill and fluency Application MP.1 MP.2 MP.4 E.7 	
Following Multi-Step Procedures for Trade Jobs	Beth Rudd	<ul style="list-style-type: none"> Architecture and Construction 		<ul style="list-style-type: none"> Level 4 Reading Anchor 1 Level D

				<ul style="list-style-type: none"> • RI/RL.7.1 • RST.6-8.3 E.1 E.3 E.7
Making Inferences in Articles about Trade Jobs	Beth Rudd	<ul style="list-style-type: none"> • Architecture and Construction 		<ul style="list-style-type: none"> • Level 4 • Reading Anchor 1 Level D • RI/RL.7.1 E.7
Math Skills for Carpet & Tile Installation	Beth Rudd	<ul style="list-style-type: none"> • Architecture and Construction 	<ul style="list-style-type: none"> • Level 3 Level 4 • Level C Geo: coordinate plane • Level D Num: Extending number sense • 4.MD.3 5.MD.1 7.EE.4 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 MP.5 • E.1 E.6 E.7 	
Ohm's Law: Equations for Electricians	Beth Rudd	<ul style="list-style-type: none"> • Architecture and Construction 	<ul style="list-style-type: none"> • Level 4 • Level D Alg: expressions and linear equations Alg: Solving linear equations • 7.EE.4a • 7.EE.4 8.EE.7 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 MP.4 • E.7 	
Organizing a Work Correspondence	Beth Rudd	<ul style="list-style-type: none"> • Architecture and Construction 		<ul style="list-style-type: none"> • Level 4 • Writing Anchor 2 Level D

				<ul style="list-style-type: none"> • Writing Anchor 4 Level D • W/WHST.6-8.2 W/WHST.6-8.4 • SL.8.4 E.1 E.3 E.7
Power/Energy Vocabulary in Context	Beth Rudd	<ul style="list-style-type: none"> • Architecture and Construction 		<ul style="list-style-type: none"> • Level 4 • Language Anchor 4 Level D • Reading Anchor 4 Level D • RI/RL.6.4 L.6.4 • L.8.6 E.7 E.10
Proportions for Trade Jobs	Beth Rudd	<ul style="list-style-type: none"> • Architecture and Construction 	<ul style="list-style-type: none"> • Level 4 • Level D Num: ratio and rate Alg: proportional relationships • Level D 6.RP.3 6.RP.3b 7.RP.3 • 4.NF.1 4.OA.2 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 • E.7 E.9 	
Summarizing Workplace Texts: The Power Grid	Beth Rudd	<ul style="list-style-type: none"> • Architecture and Construction 		<ul style="list-style-type: none"> • Level 4 • Reading Anchor 2 Level D • RST.6-8.2 • RST.6-8.7 E.7
The Four Operations with Fractions for Trade Jobs	Beth Rudd	<ul style="list-style-type: none"> • Architecture and Construction 	<ul style="list-style-type: none"> • Level 3 Level 4 • Level C Nums; sums, differences of fractions 	

			<ul style="list-style-type: none"> • Level D Num: Extending number sense • 5.NF.7 • 7.NS.3 • 4.NF.4c 5.NF.1 5.NF.3 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 MP.4 • E.7 E.9 	
Understanding Fractions	Sherri Scott	<ul style="list-style-type: none"> • Agriculture, Food, and Natural Resources • Architecture and Construction 	<ul style="list-style-type: none"> • Level 3 • Level C Num: ratio/rate to mult/div • 5.NF.4 5.NF.7 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.5 MP.7 • E.5 E.6 E.7 	
Word Choice in Texts for Energy Jobs	Beth Rudd	<ul style="list-style-type: none"> • Architecture and Construction 		<ul style="list-style-type: none"> • Level 4 • Reading Anchor 1 Level D • Reading Anchor 6 Level D • RI/RL.7.1 RH-6-8.6 • RI.6.7 • E.7
Health Science				
Add and Subtract Fractions	Sarah Simpson	<ul style="list-style-type: none"> • Health Science 	<ul style="list-style-type: none"> • Level 3 • Level C Num: fraction equivalence Num: sums, differences of fractions • N.NF.3c 5.NF.1 	

			<ul style="list-style-type: none"> • N.NF.3a 4.NF.3d 5.NF.2 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.5 MP.6 • E.6 E.7 E.8 	
Add and Subtract Integers	Sarah Simpson	<ul style="list-style-type: none"> • Health Science 	<ul style="list-style-type: none"> • Level 4 • Level D Num: Extending number sense • 6.NS.7 7.NS.1 • 6.NS.6 6.NS.6a 7.NS.1b • Conceptual Understanding Procedural skill and fluency Application • MP.2 MP.4 MP.8 • E.7 E.8 E.9 	
Combining Operations	Sarah Simpson	<ul style="list-style-type: none"> • Health Science 	<ul style="list-style-type: none"> • Level 4 • Level D Num: Extending number sense • 7.NS.1d 7.NS.2 • 5.OA.1 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.6 • E.7 E.8 	
Communicating Across Cultures	Holly Buckman	<ul style="list-style-type: none"> • Career Exploration • Health Science 		<ul style="list-style-type: none"> • Level 4 Level 5 • Reading Anchor 1 • Speaking and Listening Anchor 1 • SL.3.6 E.6 E.7 E.8
Complete and Partial Baths	Melcenica Sprowls	<ul style="list-style-type: none"> • Career Exploration • Health Science 		<ul style="list-style-type: none"> • Level 3 Level 4 • Reading Anchor 1 • Writing Anchor 2

				<ul style="list-style-type: none"> RI/RL.2.1 E.1 E.3 E.8
Decimals	Sarah Simpson	<ul style="list-style-type: none"> Health Science 	<ul style="list-style-type: none"> Level 3 Level C Num: decimals to thousandths Num: operations 5.NBT.7 6.NS.3 4.NF.6 5.NBT.3 6.EE.2c Conceptual Understanding Procedural skill and fluency Application MP.6 E.1 E.7 E.8 	
End of Life Care		<ul style="list-style-type: none"> Career Exploration Health Science 		<ul style="list-style-type: none"> Level 3 Level 4 Reading Anchor 1 Reading Anchor 3 RI.5.6 E.2 E.7 E.8
Equivalent Fractions	Sarah Simpson	<ul style="list-style-type: none"> Health Science 	<ul style="list-style-type: none"> Level 2 Level B Num: understanding fractions Level C Num: fraction equivalence 3.NF.2a 3.NF.2b 4.NF.2 3.NF.3 3.NF.3a 3.NF.3b Conceptual Understanding Procedural skill and fluency Application MP.4 MP.5 MP.6 E.6 E.7 E.8 	
Exponents, Roots, and Scientific Notation	Sarah Simpson	<ul style="list-style-type: none"> Health Science 	<ul style="list-style-type: none"> Level 4 Level D Num: Extending number sense 	

			<ul style="list-style-type: none"> • Level C Alg: expressions and equations • Level C 6.EE.1 • 5.NBT.2 8.EE.2 8.EE.4 • Conceptual Understanding • Procedural skill and fluency Application • MP.2 MP.6 • E.7 E.9 	
Health Science Careers in Diagnostic Services: Differentiating Between Drug Use, Misuse, and Abuse”	Lori Looney	<ul style="list-style-type: none"> • Health Science 		<ul style="list-style-type: none"> • Level 4 • Reading Anchor 2 • Reading Anchor 6 • W/WST.6-8.2 W.7.7 • E.2 E.6
Health Science Careers in Diagnostic Services: GED Extended Response Lesson	Beth Rudd	<ul style="list-style-type: none"> • Education and Training • Health Science 		<ul style="list-style-type: none"> • Level 4 • Reading Anchor 8 • Reading Anchor 9 • RST.6-8.2 • E.7 E.9
Health Science Careers in Diagnostic Services: What Are the Careers and What Do The Careers Involve?	Lori Looney	<ul style="list-style-type: none"> • Career Exploration • Education and training • Health Science 		<ul style="list-style-type: none"> • Level 4 • Writing Anchor 7 • Speaking and Listening Anchor 4 • W/WHST.6-8.2 • W/WHST.6-8.5 • W.7.7 • E.7 E.8 E.9
Health Science Careers in Therapeutic Services: The Ability to Work as a Team (Introduction to Teams: Part 1)	Lori Looney	<ul style="list-style-type: none"> • Education and Training • Health Science 		<ul style="list-style-type: none"> • Level 4 • Reading Anchor 1 • Level D • Writing Anchor 4 • Level D • RI/RL 7.1 • W/WHST.6-8.4

				<ul style="list-style-type: none"> RI.1.7 W/WHST.6-8.4 E.3 E.4 E.8
Health Science Careers in Therapeutic Services: The Ability to Work as a Team (Introduction to Teams: Part 2)	Lori Looney	<ul style="list-style-type: none"> Education and Training Health Science 		<ul style="list-style-type: none"> Level 4 Writing Anchor 3 Level D Speaking and Listening Anchor 1 Level D W/WHST.6-8.4 SL.1.1 SL.8.6 E.8 E.9 E.10
Health Science Careers in Therapeutic Services: The Desire to Help Patients Heal	Lori Looney	<ul style="list-style-type: none"> Education and Training Health Science 		<ul style="list-style-type: none"> Level 4 Reading Anchor 7 Level D Reading Anchor 9 RI.6.7 RI.3.9 RI.6.7 W/WHST.6-8.4 SL.8.2 E.7 E.10
Health Science Careers in Therapeutic Services: What are the Careers and What Do They Involve?	Lori Looney	<ul style="list-style-type: none"> Career Exploration Education and Training Health Science 		<ul style="list-style-type: none"> Level 4 Writing Anchor 7 Speaking and Listening Anchor 4 W/WHST.6-8.2 W/WHST.6-8.5 W7.7 E.7 E.8 E.9
Healthcare: Worker Importance of Following Directions		<ul style="list-style-type: none"> Career Exploration Health Science 		<ul style="list-style-type: none"> Level 3 Level 4 Reading Anchor 1 Reading Anchor 2 RI.5.4 E.1 E.3 e.6

Hospital Beds, Nurse's Aides, and the Future	Laura Lang	<ul style="list-style-type: none"> Health Science 	<ul style="list-style-type: none"> Level 4 Level 5 Level D Num: ratio and rate Alg: expressions and linear equations 7.RP.1 7.EE.4 7.SP.7 Level C 4.NF.3 4.NF.6 Application MP.3 MP.4 E.1 E.2 E.7 	
Importance of Sleep		<ul style="list-style-type: none"> Career Exploration Health Science 		<ul style="list-style-type: none"> Level 3 Reading Anchor 7 Writing Anchor 4 RI/RL.5.1 RI.5.4 RI.5.7 E.1 E.7
Introduction to the Study Guide		<ul style="list-style-type: none"> Career Exploration Health Science 		<ul style="list-style-type: none"> Level 3 Level 4 Reading Anchor 1 Reading Anchor 2 Writing Anchor 4 RI/R:.5.1 E.1 E.6 E.9
Measures of Central Tendency	Sarah Simpson	<ul style="list-style-type: none"> Health Science 	<ul style="list-style-type: none"> Level 3 Level C Stats: statistical variability 6.SP.3 Conceptual Understanding Procedural skill and fluency Application MP.5 MP.6 E.1 E.6 E.7 	
Medical Math and Unit Conversions	Ashley Gootee	<ul style="list-style-type: none"> Health Science 	<ul style="list-style-type: none"> Level 3 Level D Num: ratio and rate 6.RP.3d 	

			<ul style="list-style-type: none"> • 3.MD.2 5.MD.1 • Level D 7.SP.7 7.SP.8a • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.5 MP.6 • E.1 E.6 E.7 	
Multiply and Divide Fractions	Sarah Simpson	<ul style="list-style-type: none"> • Health Science 	<ul style="list-style-type: none"> • Level 3 • Level C Num: sums, differences of fractions Num: ratio/rate to multi/div • 5.NF.4 5.NF.7 • 4.NF.4 4.NF.4c 6.NS.1 • Conceptual Understanding Procedural skill and fluency Application • MP.4 MP.6 • E.6 E.7 E.8 	
My Bedside Manners: Putting Thoughts into Written Word	Laura Lang	<ul style="list-style-type: none"> • Health Science 		<ul style="list-style-type: none"> • Level 4 Level 5 • Writing Anchor 6 • Writing Anchor 7 • L.4.1 and 5.1 merge E.1 E.7 E.8
Oxygen Needs by the Numbers	Laura Lang	<ul style="list-style-type: none"> • Health Science 	<ul style="list-style-type: none"> • Level 4 • Level D Num: ratio and rate • 7.RP.1 • 6.NS.7 6.RP.1 • Procedural skill and fluency • MP.4 MP.6 • E.1 E.7 	
Percent Applications	Sarah Simpson	<ul style="list-style-type: none"> • Health Science 	<ul style="list-style-type: none"> • Level 4 	

			<ul style="list-style-type: none"> • Level D Num: ration and rate • 6.RP.3c 7.RP.3 • 6.RP.1 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 • E.6 E.7 E.9 	
Percent Basics	Sarah Simpson	<ul style="list-style-type: none"> • Health Science 	<ul style="list-style-type: none"> • Level 3 • Level D Num: ratio and rate • 6.RP.3 6.RP.3c • 6.RP.3a • Conceptual Understanding Procedural skill and fluency Application • MP.2 MP.7 • E.1 E.7 E.8 	
Pre-Algebra Basics	Sarah Simpson	<ul style="list-style-type: none"> • Health Science 	<ul style="list-style-type: none"> • Level 3 • Level C Alg: expressions and equations • Level D Alg: proportional relationships • 6.EE.2a 6.EE.6 • 5.OA.2 6.EE.2 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.2 MP.6 • E.1 E.6 E.7 	
Ratio and Proportion	Sarah Simpson	<ul style="list-style-type: none"> • Health Science 	<ul style="list-style-type: none"> • Level 4 • Level D Num: ratio and rate Alg: proportional relationships 	

			<ul style="list-style-type: none"> • Level C Num: ratio/rate to multi/div • Conceptual Understanding Procedural skill and fluency Application • Mp.1 MP.8 • E.6 E.7 E.9 	
Ratio and Proportion- Using a Double Number Line		<ul style="list-style-type: none"> • Health Science 	<ul style="list-style-type: none"> • Level 3 • Level D Num: ratio and rate • Level C Num: ratio/rate to mult/div • Level C 6.RP.1 6.RP.2 • Level D 6.RP.3 • 6.RP.3a 7.RP.2 • Level C 4.OA.2 5.MD.2 • Level D 7.SP.7 8.F.4 • Conceptual Understanding Procedural skill and fluency Application • MP.2 MP.4 MP.5 • E.7 E.8 	
Speaking and Listening		<ul style="list-style-type: none"> • Career Exploration • Health Science 		<ul style="list-style-type: none"> • Level 3 • Speaking and Listening Anchor 1 • Speaking and Listening Anchor 4 • Reading Anchor 4 • RI/RL.5.1 • E.1 E.8 E.9
Survey of Support Services and Informatics	Beth Rudd	<ul style="list-style-type: none"> • Education and Training • Health Science 		<ul style="list-style-type: none"> • Level 4 • Reading Anchor 1 • Level D • RST.6-8.1 • RI/RL.6.4 W.7.7

				E.3 E.7
Three Views of a Ratio: Using Unit Rate	Ashley Gootee	<ul style="list-style-type: none"> Health Science 	<ul style="list-style-type: none"> Level 3 Level D Num: ratio and rate 6.RP.3 6.RP.3a 6.RP.3b Level D 7.SP.7 7.SP.8a Level C 4.OA.2 5.NF.7c Conceptual Understanding Procedural skill and fluency Application MP.2 MP.4 MP.5 E.3 E.8 	
Understanding Ratios: Using Ratio Tables		<ul style="list-style-type: none"> Health Science 	<ul style="list-style-type: none"> Level 3 Level D Num: Ratio and rate 6.RP.3 6.RP.3a Level C 6.EE.7 Level D 7.EE.2 8.F.4 Conceptual Understanding Procedural skill and fluency Application Mp.2 MP.4 MP.5 E.6 E.8 	
Vaccinations		<ul style="list-style-type: none"> Career Exploration Health Science 		<ul style="list-style-type: none"> Level 3 Reading Anchor 1 Reading Anchor 2 Writing Anchor 4 RI/RL.5.1 RI.5.4 E.2 E.7
“What Did I Just Say?”	Holly Buckman	<ul style="list-style-type: none"> Career Exploration Health Science 		<ul style="list-style-type: none"> Level 4 Level 5 Reading Anchor 1

				<ul style="list-style-type: none"> • Speaking and Listening Anchor 1 • SL.3.6 E.6, E.7, E.8
Whole Number Operations	Sarah Simpson	<ul style="list-style-type: none"> • Health Science 	<ul style="list-style-type: none"> • Level 2 • Level B Num: add/subtract to 1000 Num: multi/div to 100 • Level C Num: operations • 2.NBT.7 3.NBT.2 • 4.NBT.5 4.NBT.6 • Conceptual Understanding Procedural skill and fluency Application • MP.4 • E.6 E.9 	
Word Problem Strategies	Sarah Simpson	<ul style="list-style-type: none"> • Health Science 	<ul style="list-style-type: none"> • Level 2 • Level B Num: add/subtract to 1000 Num: mult/div to 100 • 2.OA.1 3.OA.3 • 3.OA.8 4.OA.3 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.5 • E.6 E.7 E.9 	
Your Employee Benefits		<ul style="list-style-type: none"> • Career Exploration • Health Science 		<ul style="list-style-type: none"> • Level 3 and Level 4 • Reading Anchor 2 • Writing Anchor 4 • RI/RL.5.1 SL.5.1 • E.1 E.6 E.9
Your Mission Statement	Susie Roberts	<ul style="list-style-type: none"> • Career Exploration • Health Science 		<ul style="list-style-type: none"> • Level 3 • Reading Anchor 1 • Writing Anchor 4

				<ul style="list-style-type: none"> • RI.5.4 SL.5.1 • E.1 E.2 E.6
<h1>Information Technology</h1>				
A Failure to Communicate	Chad Hutchison	<ul style="list-style-type: none"> • Information Technology 		<ul style="list-style-type: none"> • Level 4 Level 5 • Writing Anchor 2 Level D • W/Whst.6-8.2 • SL.8.4 L.9-10.2 • E.1, E.2, E.8
Absolutely	Cheryl Botner	<ul style="list-style-type: none"> • Information Technology 	<ul style="list-style-type: none"> • Level 4 • Level D Num: Extending number sense • 6.NS.7 • 6.NS.5 • 3.NF.2a 3.NF.2b • Conceptual Reasoning Procedural skill and fluency Application • MP.4 MP.6 MP.7 • E.6 E.7 E.8 	
Calculating Perimeter and Area of Rectangle	Ashley Gootee	<ul style="list-style-type: none"> • Architecture and Construction • Information Technology • Science, Technology, Engineering and Mathematics • Transpiration, Distribution and Logistics 	<ul style="list-style-type: none"> • Level 4 • Level D Geo: Solving 2- and 3- dimensional figures • 7.G.6 • 4.MD.3 7.EE.4a • Level C 4.MD.3 6.G.4 • Level D 8.EE.2 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 • E.7 E.9 	

First Things First	Holly Buckman	<ul style="list-style-type: none"> Information Technology 		<ul style="list-style-type: none"> Level 3 Level 4 Reading Anchor 4 Level C Reading Anchor 5 Level C RI.5.4 RI.4.5 RI.4.5 RI.5.4 E.1 E.5 E.7
“Gettin’ Jiggy Wit’ It”	Anne McAllister	<ul style="list-style-type: none"> Information Technology 		<ul style="list-style-type: none"> Level 3 Level 4 Writing Anchor 6 Level D W.7.6 SL.5.4 E.2
Note-taking Mini-lesson		<ul style="list-style-type: none"> Information Technology 		<ul style="list-style-type: none"> Level 2 Level 3 Writing Anchor 8 SL.3.2 E.6 E.7
The Legos of Language	Julie Hendrix	<ul style="list-style-type: none"> Information Technology 		<ul style="list-style-type: none"> Level 4 Writing Anchor 8 Level D Reading Anchor 4 Level C RI.5.4 W/WHST.6-8.8 EI.5.7 L.8.6 E.5 E.6
You Are an Internet Explorer	Jackie Robertson	<ul style="list-style-type: none"> Information Technology 		<ul style="list-style-type: none"> Level 4 Reading Anchor 1 Level C Writing Anchor 2 Level C RI/EL.4.1 RI/RL.5.1 W.4.2 SL.5.4

				<ul style="list-style-type: none"> E.10
<h1>Manufacturing</h1>				
5S System of Lean Manufacturing		<ul style="list-style-type: none"> Manufacturing 		<ul style="list-style-type: none"> Level 3 Level 4 Reading Anchor 3 SL.8.4 E.5, E.6, E.8
Analyze Proportional Relationships (Scale Factors)	Ashley Gootee	<ul style="list-style-type: none"> Architecture and Construction Arts, Audio/Video Technology and Communications Manufacturing Marketing Transportation, Distribution, and Logistics 	<ul style="list-style-type: none"> Level 4 Level D Num: ratio and rate 6.RP.3 7.RP.1 7.G1 Level C 6.NS.1 Conceptual Understanding Procedural skill and fluency Application Mp.4 MP.6 MP.8 E.6 E.7 E.9 	
Analyzing Trends		<ul style="list-style-type: none"> Hospitality and Tourism Manufacturing Transportation, Distribution and Logistics 	<ul style="list-style-type: none"> Level 4 Level D Stats: probability 6.SP.5 7.SP.6 7.SP.7 7.SP.8b Level C 6.SP.4 Conceptual Understanding Procedural skill and fluency Application MP.1 MP.6 E.4 E.7 	
Communication in the Workplace		<ul style="list-style-type: none"> Manufacturing 		<ul style="list-style-type: none"> Level 3 Reading Anchor 1 SL.1.4 E.6 E.7 E.8
Extended Response		<ul style="list-style-type: none"> Manufacturing 		<ul style="list-style-type: none"> Level 4

				<ul style="list-style-type: none"> • Writing Anchor 1 • RI.8.3 • E.5 E.7
Forklift Safety		<ul style="list-style-type: none"> • Manufacturing 		<ul style="list-style-type: none"> • Level 4 • Writing Anchor 2 • RI.6.5 RI.7.5 • E.3 E.6 E.7
Identifying Hazards		<ul style="list-style-type: none"> • Manufacturing 		<ul style="list-style-type: none"> • Level 3 Level 4 • Reading Anchor 4 Level C • RI.5.4 • RST.6-8.7 W.5.4 • E.3 E.4 E.7
Into to OSHA		<ul style="list-style-type: none"> • Manufacturing 		<ul style="list-style-type: none"> • Level 3 • Reading Anchor 7 • Writing Anchor 4 • RI/RL.5.1 RI.5.4 RI.5.7 • E.1 E.7
Locating Information		<ul style="list-style-type: none"> • Manufacturing 		<ul style="list-style-type: none"> • Level 3 Level 4 • Reading Anchor 7 • RI.4.2 • E.6 E.7
Make Decisions Based on Workplace Graphics	Susie Roberts	<ul style="list-style-type: none"> • Manufacturing 		<ul style="list-style-type: none"> • Level 3 • Reading Anchor 7 • RI.4.2 • E.6 E.7
Safety in the Working Environment		<ul style="list-style-type: none"> • Manufacturing 		<ul style="list-style-type: none"> • Level 4 Level 5 • Speaking and Listening Anchor 4 • RI/RL.5.1 • E.5 E.6 E.8
Percent and Pie Charts	Ashley Gootee	<ul style="list-style-type: none"> • Manufacturing 	<ul style="list-style-type: none"> • Level 3 Level 4 	

			<ul style="list-style-type: none"> • Level D Num: ratio and rate • 6.RP.3c 6.RP.3d • 7.EE.2 • Conceptual Understanding Procedural skill and fluency Application • MP.1 MP.4 • E.7 E.9 	
Using Formulas in Real Life (Including Geometry Formulas)	Jerra Wood Mark Meade	<ul style="list-style-type: none"> • Manufacturing 	<ul style="list-style-type: none"> • Level 5 • Level E Alg: structure of expressions • A.SSE.2 • A.CED.4 • Conceptual Understanding Procedural skill and fluency • MP.1 MP.7 • E.7 E.9 	
Welding Terminology, Joint and Weld Types, Diagrams and Symbols	Sherraine Williams	<ul style="list-style-type: none"> • Career Exploration • Manufacturing • Science, Technology, Engineering, and Mathematics • Student Retention and Persistence 		<ul style="list-style-type: none"> • Level 5 Level 6 • Reading Anchor 4 Level D Level E • Reading Anchor 7 Level E • RST.9-10.4 RST.9-10.7 • RI.11-12.7 SL.1.4 L.8.6 E.1 E.10
Transportation, Distribution and Logistics				
Analyze Proportional Relationships (Scale Factors)	Ashley Gootee	<ul style="list-style-type: none"> • Architecture and Construction 	<ul style="list-style-type: none"> • Level 4 • Level D Num: ratio and rate • 6.RP.3 7.RP.1 	

		<ul style="list-style-type: none"> Arts, Audio/Video Technology and Communications Manufacturing Marketing Transportation, Distribution, and Logistics 	<ul style="list-style-type: none"> 7.G1 Level C 6.NS.1 Conceptual Understanding Procedural skill and fluency Application Mp.4 MP.6 MP.8 E.6 E.7 E.9 	
Analyzing Trends		<ul style="list-style-type: none"> Hospitality and Tourism Manufacturing Transportation, Distribution and Logistics 	<ul style="list-style-type: none"> Level 4 Level D Stats: probability 6.SP.5 7.SP.6 7.SP.7 7.SP.8b Level C 6.SP.4 Conceptual Understanding Procedural skill and fluency Application MP.1 MP.6 E.4 E.7 	
Benchmarks: How Interviews Drive the Hiring Process	Susie Roberts	<ul style="list-style-type: none"> Transportation, Distribution, and Logistics 		<ul style="list-style-type: none"> Level 3 Level 4 Writing Anchor 7 Level C W.5.7 RI/RL.4.1 L.4.3 and 5.3 merge E.7 E.8
Calculating Perimeter and Area of Rectangle	Ashley Gootee	<ul style="list-style-type: none"> Architecture and Construction Information Technology Science, Technology, Engineering and Mathematics Transpiration, Distribution and Logistics 	<ul style="list-style-type: none"> Level 4 Level D Geo: Solving 2- and 3- dimensional figures 7.G.6 4.MD.3 7.EE.4a Level C 4.MD.3 6.G.4 Level D 8.EE.2 Conceptual Understanding Procedural skill and fluency Application 	

			<ul style="list-style-type: none"> • MP.1 MP.4 • E.7 E.9 	
Charting Your Course		<ul style="list-style-type: none"> • Transportation, Distribution, and Logistics 		<ul style="list-style-type: none"> • Level 3 Level 4 • Speaking and Listening Anchor 1 Level C • SL.5.1 • W/WHST.6-8.5 • E.7 E.8
Getting Your Bearings	Susie Roberts	<ul style="list-style-type: none"> • Transportation, Distribution, and Logistics 		<ul style="list-style-type: none"> • Level 3 Level 4 • Reading Anchor 4 Level C • RI.5.4 • RI.4.7 RI.6.7 RST.6-8.7 SL.5.1 • E.7 E.8
Landmarks-The Role of Job Descriptions	Susie Roberts	<ul style="list-style-type: none"> • Transportation, Distribution, and Logistics 		<ul style="list-style-type: none"> • Level 3 Level 4 • Reading Anchor 9 Level C • RI.5.9 • SL.5.2 SL.8.2 L.4.1 and 5.1 merge • E.7 E.8
Using the Internet as Your Career Compass	Susie Roberts	<ul style="list-style-type: none"> • Transportation, Distribution, and Logistics 		<ul style="list-style-type: none"> • Level 3 Level 4 • Reading Anchor 2 Level C • RI.4.2 • RI/RL.6.2 RI.6.7 RST.6-8.7 • E.7 E.8